Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/08/2019 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124617	-1	2.30	124639	2.34
Blue	F	SSC	125000	124055	-1	3.74	124897	3.83
Blue	E	FITC	16694	16458	-2	3.90	380	21.60
Blue	D	PE	32792	32129	-3	3.05	709	16.61
Blue	B	PerCP-Cy5-5	44451	44687	0	4.74	1223	23.62
Blue	A	PE-Cy7	33645	33752	0	7.18	614	48.82
Red	C	APC	47008	46774	-1	3.07	1807	13.56
Red	A	APC-Cy7	32298	32187	-1	2.95	804	13.99
Violet	B	V450	8961	8646	-4	4.74	474	15.03
Violet	A	V500	32726	31741	-4	4.51	761	11.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20256	6.05	610	-3	N/A	N/A	Pass
Blue	F	SSC	56098	3.09	578	10	N/A	N/A	Pass
Blue	E	FITC	64	68.96	566	3	0.0159	100	Pass
Blue	D	PE	140	56.78	570	4	0.1190	243	Pass
Blue	B	PerCP-Cy5-5	224	57.33	677	6	0.0069	46	Pass
Blue	A	PE-Cy7	118	123.86	732	6	0.0086	28	Pass
Red	C	APC	411	28.24	612	-1	0.0183	58	Pass
Red	A	APC-Cy7	198	32.03	585	0	0.0048	1271	Pass
Violet	B	V450	69	71.81	482	-4	0.0398	2102	Pass
Violet	A	V500	108	35.94	492	-4	0.0191	594	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.60	-32.00	1.09
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.30	13.60 - 20.40	N/A	N/A	28.89	29.55	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12540

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments